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NOTICE OF ALLOWANCE AND FEE(S) DUE

22852 7590 05/23/2008 FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER

LIN. SHEW FEN

901 NEW YORK AVENUE, NW

EXAMINER ARTHNIT PAPER NUMBER

2166 DATE MAILED: 05/23/2008

LIP WASHINGTON, DC 20001-4413

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO 10/721.869 11/26/2003 Michael Conrad 07781.0116-00000 6085 TITLE OF INVENTION: DATA ELEMENT AND STRUCTURE FOR DATA PROCESSING

APPLN, TYPE SMALL ENTITY ISSUE FEE DUE PUBLICATION FEE DUE PREV, PAID ISSUE FEE TOTAL FEE(S) DUE DATE DUE nonprovisional NO \$1440 \$300 \$1740 08/25/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown

B. If the status above is to be removed, check box 5b on Part B -Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This f appropriate. All further c indicated unless correcter maintenance fee notificati	form should be used f orrespondence includin d below or directed oth ons.	or trans ig the F ierwise	smitting the ISSU Patent, advance of in Block 1, by (a					nould be completed where correspondence address as trate "FEE ADDRESS" for
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FINNEGAN, H LLP 901 NEW YORK	AVENUE, NW		OW, GARR	ETT & DUNNE	Co	ertificat	e of Mailing or Trans	mission g deposited with the United t class mail in an envelope above, or being facsimile ate indicated below.
WASHINGTON,	DC 20001-4413			ſ				(Depositor's name)
				[(Signature)
				L				(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED		OR	ATTORNEY DOCKET NO.		CONFIRMATION NO.
10/721,869	11/26/2003	•	Michael		1		7781.0116-00000	6085
TITLE OF INVENTION:					_			
APPLN. TYPE	SMALL ENTITY	ISS	SUE FEE DUE	PUBLICATION FEE DU	E PREV. PAID ISS	UE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO		\$1440	\$300	\$0		\$1740	08/25/2008
EXAMI	NER		ART UNIT	CLASS-SUBCLASS				
LIN, SHE	W FEN		2166	707-204000				
"Fee Address" indic PTO/SB/47; Rev 03-02 Number is required. 3. ASSIGNEE NAME AN	ndence address (or Cha 7122) attached. cation (or "Fee Address" c or more recent) attach TO RESIDENCE DATA sss an assignce is identi in 37 CFR 3.11. Comp	nge of C ' Indica ed. Use	Correspondence tion form of a Customer		to 3 registered patatively, agle firm (having as or agent) and the na ttorneys or agents. I be printed. type) patent. If an assign an assignment.	a memb mes of u f no nan	ber a 2pto me is 3dentified below, the dentified below, the dentified below below the dentified below below below the dentified below by the definition below	ocument has been filed for
Please check the appropria	ate assignee category or	categor	ries (will not be pr	inted on the patent):	☐ Individual ☐ €	Corporat	tion or other private gro	oup entity 🗖 Government
4a. The following fee(s) are submitted: Issue Fee Publication Fee (No small entity discount permitted) Advance Order - # of Copies				b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) A check is enclosed. Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficience, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).				
	SMALL ENTITY statu	s. See 3	37 CFR 1.27.				TITY status. See 37 Cl	
NOTE: The Issue Fee and interest as shown by the re	Publication Fee (if requeecords of the United Sta	iired) w tes Pate	vill not be accepted int and Trademark	from anyone other the Office.	n the applicant; a re	gistered	attorney or agent; or th	e assignee or other party in
Authorized Signature _					Date			
Typed or printed name				Registration No.				
This collection of informa an application. Confidenti submitting the completed this form and/or suggestio Box 1450, Alexandria, Vir Alexandria, Virginia 2231	tion is required by 37 C ality is governed by 35 application form to the ons for reducing this bur rginia 22313-1450. DC 3-1450.	FR 1.3: U.S.C. USPTO den, sh NOT S	11. The informatic 122 and 37 CFR O. Time will vary sould be sent to the SEND FEES OR (on is required to obtain 1.14. This collection is depending upon the in e Chief Information Of COMPLETED FORMS	or retain a benefit by estimated to take 12 dividual case. Any ficer, U.S. Patent an TO THIS ADDRE	the pub minute commen d Trader SS. SEN	olic which is to file (and is to complete, including its on the amount of tin mark Office, U.S. Depa ID TO: Commissioner	by the USPTO to process) g gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450,

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/721,869	11/26/2003	Michael Conrad	07781.0116-00000	6085
22852	7590 05/23/2008		EXAM	INER
FINNEGAN, HI	ENDERSON, FARAI	LIN, SHEW FEN		
LLP			ART UNIT	PAPER NUMBER
901 NEW YORK WASHINGTON,		2166 DATE MAILED: 05/23/200	8	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 716 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 716 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.	Applicant(s)	
10/721,869	CONRAD ET AL.	
Examiner	Art Unit	
SHEW-FEN LIN	2166	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

- This communication is responsive to 1/7/2008.
- The allowed claim(s) is/are 1-13, 17, 19-25 (renumbered as 1-21).
- 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - b) \(\subseteq \text{Some* c} \) \(\subseteq \text{None of the:} \) a) \square All
 - 1. T Certified copies of the priority documents have been received.
 - 2. Certified copies of the priority documents have been received in Application No.
 - 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

- A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
- CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6.

DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- 1. | Notice of References Cited (PTO-892)
- 2. Notice of Draftperson's Patent Drawing Review (PTO-948)
- 3. Information Disclosure Statements (PTO/SB/08).
- Paper No./Mail Date 2/27/08
- 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
- 5. Notice of Informal Patent Application
- Interview Summary (PTO-413), Paper No./Mail Date
- 7. ☐ Examiner's Amendment/Comment
- 8. X Examiner's Statement of Reasons for Allowance
- Other .

DETAILED ACTION

a. Claims 1-13, 17 and 19-25 are pending in this Office Action. Claims 1, 11-12 and 23-25 are independent claims.

Terminal Disclaimer

The terminal disclaimer filed on 1/7/2008 disclaiming the terminal portion of any patent granted on this application, which would extend beyond the expiration date of co-pending applications 10/721,898 and 10/721,426 (issue as U.S. Patent No. 7,225,302) has been reviewed and is accepted. The terminal disclaimer has been recorded.

Information Disclosure Statement

The Information Disclosure Statement(s) received on February 27, 2008 is in compliance with provisions of 37 CFR 1.97. Accordingly, the Information Disclosure Statement(s) are being considered by the examiner.

Allowable Subject Matter

Claim 1-13, 17, and 19-25 are allowed over the prior of records.

The following is an Examiner's statement of reasons for allowance:

In the Office Action mailed November 21, 2007, claims 11 and 12 were noted as allowable if rewritten in independent form to include all of the limitations of the base claims and any intervening claims. In view of Applicant's amendment and terminal disclaimer submitted on January 7, 2008, overcomes the objections/rejections given in the last office action. Furthermore,

Art Unit: 2166

the prior art made of records does not teach or fairly suggest the combination of elements, as recited in independent claims 1 and 23-25. More specifically, the prior art of records does not specifically suggest wherein as argued and further amended by Applicant, among other limitations, the limitation of "an electronic data element accessible to at least one software program implementing one or more data-object replication processes and one or more software processes other than the one or more data-object replication processes", "setting a shared lock on the electronic data element after the state of the identifier has been set to the first state; assigning the identifier to one or more data objects stored in a memory of the source system; processing, by one or more of the software processes other than the data-object replication processes, the one or more data objects assigned to the identifier while the identifier is set to the first state", and "replicating, by the one or more data-object replication processes after the exclusive lock has been set on the electronic data element, the one or more processed data objects from the memory in the source system to a memory in the target system".

However, none of the prior art of the record teaches or suggests, independently or in combination, the combination of claimed elements including the specific features recited by the independent claims as indicated above.

The dependent claims, being definite, further limiting, and fully enabled by the specification and are also allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shew-Fen Lin whose telephone number is 571-272-2672. The examiner can normally be reached on 8:30AM - 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hosain Alam can be reached on 571-272-3978. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

May 12, 2008

Shew-Fen Lin/S. L./ Examiner, Art Unit 2166

/Hosain T Alam/ Supervisory Patent Examiner, Art Unit 2166